

20000826.qrp v01_n925.qrl.20000826

Date: Sat, 26 Aug 2000 19:03:09 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1925

QRP-L Digest 1925

Topics covered in this issue include:

- 1) [78096] OPERATING - NRAO Green Bank
by n5ib@juno.com
- 2) [78097] Re: Cushcraft vertical hints
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 3) [78098] Re: Crippled Fox Tonight
by "Rich Wilkerson" <richqrp@home.com>
- 4) [78099] Re: Crippled Fox/FIRST PELT-SKINNED @0122 UTC
by Mike Souhrada <wb9iog@revealed.net>
- 5) [78100] W4RNL
by "Randall M. Payne" <randyp@strato.net>
- 6) [78101] Tuna Tin II Nite (VE7SL)
by "Steve McDonald" <jsm@gulfislands.com>
- 7) [78102] 10m surprise
by Kenneth Hoglund <hoglund@wfu.edu>
- 8) [78103] Re: HI-QRP featured club of the month!
by Dean W Manley <kh6b@juno.com>
- 9) [78104] RE: W4RNL
by "Ed Tanton" <n4xy@att.net>
- 10) [78105] Low Noise Op Amps
by "James R. Duffey" <jamesd1@flash.net>
- 11) [78106] W4RNL URL
by "James R. Duffey" <jamesd1@flash.net>
- 12) [78107] FOX: Preliminary Log, N1FN
by "Marshall Emm" <mgemm@mtechnologies.com>
- 13) [78108] W4RNL
by "Randall M. Payne" <randyp@strato.net>
- 14) [78109] Fox- #16 This Sunday, NW7DX - Last single hunt of the season
by BenNW7DX@aol.com
- 15) [78110] Re: Low Noise Op Amps
by "Paul Christensen" <paulc@mediaone.net>
- 16) [78111] Epson Oscillators
by jacksonharbor@att.net
- 17) [78112] Re: Fox- #16 This Sunday, NW7DX - Last single hunt of the season
by BenNW7DX@aol.com
- 18) [78113] Source for 30m crystals?
by "Tom Scott" <TomRScott@Sterlink.net>
- 19) [78114] Crippled Fox Report

- by ARDUJENSKI@aol.com
- 20) [78115] VE7SL
by KB7WW Art Moe <kb7ww@chatusa.com>
 - 21) [78116] RE: Crippled Fox Report
by "Jason Milldrum" <thecabal@mindspring.com>
 - 22) [78117] OT: component shortages...
by "Tom Scott" <TomRScott@Sterlink.net>
 - 23) [78118] Re: OT: component shortages...
by Chris Trask <ctrask@primenet.com>
 - 24) [78119] PROPS: AL7FS gets slightly excited
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
 - 25) [78120] Re: Unique Screen Saver
by Bob Patten <n4bp@bc.seflin.org>
 - 26) [78121] Ten Tek Argonaut Upgrade
by "Karl F. Larsen" <k5di@zianet.com>
 - 27) [78122] Re: FT-817 spec update...!
by "Merryprankster@cwcom.net" <merryprankster@cwcom.net>
 - 28) [78123] RE: QRP-L digest 1924
by "Joe Malloy" <jmalloy@hamilton.edu>
 - 29) [78124] Re: component shortages...
by "Dan Trigilio" <danjt@cruzio.com>
 - 30) [78125] Sierra or Monobanders
by Gregory R Breeden <al0a@juno.com>
 - 31) [78126] RE: antenna book
by "Joe Malloy" <jmalloy@hamilton.edu>
 - 32) [78127] Wanted: DSW-20
by "Makai" <makai@grouper.batelnet.bs>
 - 33) [78128] Re: [Elecrafft] Stripping magnet wire (toroids)
by "Damon Raphael" <w7md@azstarnet.com>
 - 34) [78129] Re: Low Noise Op Amps
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
 - 35) [78130] RE: FT-817 & pics...
by Radman <radman@best.com>
 - 36) [78131] Linux For Windows 7.1 Source
by wb2vuo@juno.com
 - 37) [78132] FS: TS-850SAT
by "Randy Moore" <wr.moore@worldnet.att.net>
 - 38) [78133] RE: Sierra or Monobanders
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
 - 39) [78134] Re: Linux For Windows 7.1 Source
by "David Porter" <dporter@voicenet.com>
 - 40) [78135] QRP-L Website: Request for Articles
by John Wagner <john@neknetwork.com>
 - 41) [78136] Good Logging Software
by "Karl F. Larsen" <k5di@zianet.com>
 - 42) [78137] FOX: Week 14 Results
by "Marshall Emm" <mgemm@mtechnologies.com>
 - 43) [78138] RE: Sierra or Monobanders

- by "David Bixler" <qrp@netins.net>
- 44) [78139] Re: Euramcom & NFH/cookies
by Euramcom <mel@euramcom.freeseve.co.uk>
- 45) [78140] Re: [TenTec] RFI from GSM phone into 705 mike?
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 46) [78141] BUBBA and AL7FS
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 47) [78142] K1 Field Test begins !!
by Radman <radman@best.com>
- 48) [78143] Possible Equipment Sale Scam?
by Tom and Roxy <zikot@erie.net>
- 49) [78144] FS Argonaut 11
by W8IRQ@aol.com
- 50) [78145] AA5Bubba
by BruceAA5B@aol.com
- 51) [78146] HW-7 Front Panel
by billrobb@net-link.net
- 52) [78147] Yes, this person will try to burn you
by RangerSF5@aol.com
- 53) [78148] Re: AA5Bubba
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 54) [78149] BUBBA: Fun
by "John L. Sielke" <w2agn@pobox.com>
- 55) [78150] More FUN FOTO's! QRPacific stuff...
by "K7FD-N7SG" <cqdx@teleport.com>
- 56) [78151] Re: BUBBA: Fun
by Roger Hightower <n7kt@worldnet.att.net>

Date: Fri, 25 Aug 2000 20:31:31 EDT
From: n5ib@juno.com
To: qrp-l@Lehigh.edu
Subject: [78096] OPERATING - NRAO Green Bank
Message-ID: <20000825.192743.8263.0.N5IB@juno.com>

At 0030 Z the National Radio Astronomy Observatory station, W9GFZ, has a nice signal into Louisiana near 14275 and 7245. Haven't been able to bust the pileups on either band yet. But KA1RXX/QRP worked him, so there's hope for us all yet.

I'll keep trying. This is a special one, given my association with LSU and the Baton Rouge Observatory.

72
Jim N5IB

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Fri, 25 Aug 2000 19:36:08 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <qrp-1@Lehigh.EDU>
Subject: [78097] Re: Cushcraft vertical hints
Message-ID: <016301c00ef5\$a02aa6a0\$5ac07481@rohredt2000>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave,

Some of the Cushcraft models have had trap problems--- you might want to verify the tuning of each before assembly with a GDO, Antenna Analyser or similar. Out of band was my co workers problem on 15M, and they replaced it, (a known factory failure.)

Do use "Butter its Not" or NO-Ox from the electrical supply for all tubing joints to avoid aluminum oxidation. brighten up the pieces before swaging together with the grease on them. A little goes a long way. Make sure all the bolts are tight in the tuning box at the base. A loose solder lug or bolt has downed many an R series vertical. If they still use that double set screw junky attachment to the base pole, ditch the mounting where the pole goes up inisde the vertical base tubing, and use U bolts to side mount that to a pole. Another friend and I used two sections of galvanized conduit to make a mast to get his R7 above the roof line. After changing the mounting Cushcraft had, when the wind loosened it; it worked much better. But he eventually replaced it with a Gap Titan and got much better results. (No traps). Heavier duty base tubing. Covers all of bands 40M and up.

72, Stuart K5KVH

Date: Fri, 25 Aug 2000 18:31:00 -0700
From: "Rich Wilkerson" <richqrp@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [78098] Re: Crippled Fox Tonight
Message-ID: <000c01c00efd\$4aac6260\$f5460418@elcjin1.sdca.home.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well got my first Fox of the year. been very noisy here in Santee, Ca. 0127,
14.050. Thanks Alan.

..... Rich / WD6FDD

Date: Fri, 25 Aug 2000 20:37:27 -0500
From: Mike Souhrada <wb9iog@revealed.net>
To: ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [78099] Re: Crippled Fox/FIRST PELT-SKINNED @0122 UTC
Message-ID: <39A71F57.EE75756A@revealed.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Now to find some more salt and nail it on my board.

Rather easy contact even with 4 watts with my cranked down Drake.
Marshall Emm's note re non fox hunters got me going.

Alan

Your signal wasn't all that crippled here from Washington to
Iowa on 4 watts sounded pretty good to me.

Mike

Date: Fri, 25 Aug 2000 22:00:02 -0400
From: "Randall M. Payne" <randyp@strato.net>
To: qrp-l@Lehigh.EDU
Subject: [78100] W4RNL
Message-ID: <3.0.6.32.20000825220002.007ab420@mail.strato.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone got a good url for L.B. Cebik W4RNL's antenna site? All the links I
try and the site I have bookmarked draw a blank.

Thanks.

Randy K4EZM

Date: Fri, 25 Aug 2000 19:09:04 -0700
From: "Steve McDonald" <jsm@gulfislands.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [78101] Tuna Tin II Nite (VE7SL)
Message-ID: <002801c00f02\$b7963680\$4611f4cc@jms>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Will be on tonight at 0400z and at 0500Z...calling CQ on 7040.2

Looking for state # 10 on the tin.

VE7SL / Steve

Date: Fri, 25 Aug 2000 22:06:03 -0400
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [78102] 10m surprise
Message-ID: <39A7260B.C051BD4C@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The Sun was setting, thunder rumbled to the west, and I found myself with a few odd moments with nothing to do before having to shuttle the kids to yet another location. Wasn't the Green Bank station starting Friday afternoon? Warmed up the rig and tuned to 28.350--no luck. The band was full of pops, hisses, and rolling signals: not much of an evenfall for 10m. But wait---sounds like a PY2 calling "CQ DX." Why not try? So with all the mighty 8 watts the rig was tuned down to, small explosions popping in my ears, I replied with my call. "QRZed?," came back. I repeated my call, slowly, clearly, and hoping against hope. Yup--made the qso long enough to exchange callsigns and signal reports.

The moral of the band: Sunspots may be down, flux may be off, a storm may be brewing, there may only be a few minutes left to the band, but QRP rules! Now how do I go about getting one of those SSB wallpapers?

73's

Ken KG4FGC

Date: Fri, 25 Aug 2000 22:18:02 EDT
From: Dean W Manley <kh6b@juno.com>
To: qrp-1@lehigh.edu
Cc: kh6b@juno.com
Subject: [78103] Re: HI-QRP featured club of the month!
Message-ID: <20000825.161623.5391.0.kh6b@juno.com>

Hi John and group,

Thanks for the good words and congrats on the nice web site. BTW, HI QRP Club is now affiliated with the ARRL. Also the Photo shows me (KH6B) on the left, with assistance from Don NH6WW. We're installing the trusty 14AVQ trap vertical for the Moku Ola Island DXpedition in April. This is the same day as the annual QRPTTF event. The called for the event is ALOHA.

Aloha,
Dean KH6B
Hilo Hawaii

>On Fri, 25 Aug 2000 09:13:45 -0700 "K7FD" <cqdx@teleport.com> writes:
>>Hi Dean,
>>Just a note to let you know the HI-QRP Club is the featured qrp club
>>of the month on the QRPacific QRP Club website (thanks in advance for
link
>>picture...hi)...
>>Have a good weekend!
>>John K7FD, HI-QRP #176
>>QRPacific <http://www.teleport.com/~cqdx/qrpclub.htm>

Date: Fri, 25 Aug 2000 22:22:37 -0400
From: "Ed Tanton" <n4xy@att.net>
To: <randyp@strato.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [78104] RE: W4RNL
Message-ID: <CKEGICNFDIMCEKEDCEHFEEGLDMAA.n4xy@att.net>

MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Sure Randy... go to: <http://www.cebik.com/> and let me note that it's within my website in two places: under ANTENNAS and on my LINKS page.

73 Ed Tanton <n4xy@arrl.net>

website: <http://www.qsl.net/n4xy/>

///snip

>
> Anyone got a good url for L.B. Cebik W4RNL's antenna site? All
> the links I
> try and the site I have bookmarked draw a blank.
> Thanks.
> Randy K4EZM
>

///snip

Date: Fri, 25 Aug 2000 20:22:49 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [78105] Low Noise Op Amps
Message-ID: <B5CC8618.23B0%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

The recent discussion on low noise op-amps for the NC-20 drove me to dig up some noise specs so that I could see which op amps did what. I thought I would share it with you. The devices were suggested by various contributors to QRP-L.

Amp	Noise (nV/rtHz at 1kHz)	Digikey Peice
OPA2604	11	\$2.39
TL072	18	\$0.92
NE5532	4	\$1.20
LF353	25	\$0.53

LM833

4.5

\$1.12

I know that you can get these parts cheaper than at DigiKey, but the comparative prices are probably good. At any rate, none of the prices are prohibitive.

The noise figure is rather incomplete as it depends on the shape of the power spectral density as a function of frequency. You really need to integrate over the bandwidth of interest. As an example, the OPA2604 has an integrated noise of 1.5 microvolts from 0.1 Hz to 20 Hz. This is gained up by the final audio amplifier. I could not find noise mentioned anywhere in the spec sheets of the two most commonly used QRP audio amplifiers; the LM386 and LM380. This may explain why some users are unhappy with the hiss from these parts as they are not screened for low noise. None the less, a good modern part that could replace the LM386, the LM4864, has noise of 30 microvolts with a gain of 2 integrated over a 22k Hz bandwidth. Thus the noise from the previously mentioned OPA2604 will be amplified to 3 microvolts and will be less than a tenth of the noise of the final amplifier. Since the noise adds in quadrature, the op amp will make the noise of the final audio amplifier grow from 30 to 30.15 microvolts. Typical output stages run at 300 millivolts to good headphones, so the noise contributed by the op amp is about 0.1% of the noise in the final output. This should be fine for QRP.

The noise from the old 741s is quite high. I don't have specific figures, but I recollect that it is in the range of 50 to 100 nV/rtHz. This has a significant impact on the output

By the way, the dual OPA2604A is an excellent choice for dual stage applications such as audio filters. The two op amps are biased entirely separately and interactions between the two are minimal. The NE5532 was the first "audio op amp" and has good low noise, low distortion, and high slew rate characteristics for audio applications. The audiophiles jumped all over these parts when they were introduced in the late 70s and they are still good choices.

I don't have a copy of an LMC662 data sheet handy, but that has also been suggested as a low noise low power audio op amp. I will dig further.

By the way, if you have used a Burr-Brown device made in the last 20 years or so you have probably been the recipient of Thomas's, AC7A, attention to detail.

I hope that this helps. Keep in touch. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5

30 Casa Loma Road
Cedar Crest, NM 87008

Date: Fri, 25 Aug 2000 20:27:01 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <randyp@strato.net>
Cc: qrp-l <qrp-l@lehigh.edu>
Subject: [78106] W4RNL URL
Message-ID: <B5CC8713.23B1%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

This usually works for me

www.cebik.com

Are you using an older one? Let me know if this one works. - Dr. Megacyale
KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Fri, 25 Aug 2000 20:34:08 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: Qrp-l@lehigh.edu
Subject: [78107] FOX: Preliminary Log, N1FN
Message-ID: <39A6D840.10671.12B9FAD@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Well here 'tis. I've left the "void" contacts in for the moment so you can see if I heard you but was unable to complete the exchange, or where you took a second bite at the cherry (dupe).

An interesting one was W0HEP. You'll note the first QSO was voided-- he came back again as W0HEP/QRP and I told him he was a dupe, and worked somebody else. Then Rich got in again (a third QSO effectively!) and told me that his first QSO was indadvertently QR0, so I voided the first one and counted the third.

The log had to be typed up from paper, so there is every possibility of a typo or two (or 30)-- please let me know ASAP so I can fix them.

Thanks to all the hounds who claimed a pelt from me, and especially those who did it for the first time! And to those who didn't quite make it-- please try again. This is a crap shoot at the best of times and your luck is bound to change!

I hope to work all of you (and a few more) again on the 3rd!

FER NW 72 DE ET
(Marshall), N1FN

--

QRP-L Summer 20M Fox Hunt Log
Hunt Number 15, 0100-0259Z 25AUG00
Fox: N1FN, ET, Aurora CO
Rig: OHR500
Ant: Gap Titan vertical, 40M doublet, low 20M dipole

TIME(Z)	STATION	RST	SPC	NAME	NUM/PWR
0100	WJ1R	559	CO	LARRY	2137
0100	K0FRP	599	CO	AL	366
0101	N4ROA	599	VA	DAN	970
0101	K5DI	579	NM	KARL	2195
0102	NW7DX	559	WA	BEN	1892
0102	KA1DDB	559	MI	MIKE	2064
0103	N5TW	559	TX	TOM	1474
0104	N8IE	559	OH	DAN	1404
0104	N6WG	579	CA	BOB	25
0105	NQ7X	559	AZ	FLOYD	343
0106	KI0RB	599	CO	VINCE	1283
0107	NA6E	559	CA	MARY	1779
0107	KC1FB	NIL			VOID
0108	WB8RCR	559	MI	JOHN	1446
0109	W5YR	559	TX	GEO	1373
0110	K0CO	559	CO	JACK	619
0110	K6VNX	579	CA	ARLEN	5W
0111	KB7WW	559	OR	ART	290
0112	AE9F	559	CA	DAN	5W
0113	AJ4Y	559	FL	PAUL	1795
0113	W7ILW	NIL			VOID
0113	W0HEP	599	CO	RICH	1817 VOID (QRO, REPORTED LATER)
0115	W7MD	449	AZ	DAMON	2190
0116	K5AAR	559	OK	DON	1512
0117	KB9BVN	559	IN	BRIAN	1540
0118	K2ZN	559	NY	AL	2234
0018	KC1FB	559	CT	JIM	29
0119	KI0II	559	CO	RON	928

0120	VA6RF	559	AB	EARL	1076	
0121	WA7SPY	559	CA	GLENN	2214	
0121	W6ZH	599	CA	PETE	257	
0122	NV4V	559	KY	PETE	1721	
0123	N6NU	559	CA	ANDY	5W	
0123	W0HEP/QRP	NIL	TOLD	B4		VOID
0124	W7ILW	559	AZ	HOWARD	2010	
0125	N9SE	559	IN	MARTY	1W	
0126	W0HEP/QRP	599	CO	RICH	1817	
0126	W0CH	559	MO	DAVE	618	
0127	AF4LQ	579	KY	MIKE	1395	
0128	KG4BIG	559	KY	KEN	1974	
0128	NK6A	559	CA	DON	1517	
0129	KK7GG	559	OR	MIKE	1705	
0130	K4AVX	569	KY	JOHN	1753	
0131	N7XY	569	WA	BOB	1985	
0132	AB8DF	559	MI	ED	1444	
0133	AA7EQ	559	AZ	BOB	2186	
0134	AJ4AY	559	AL	JAY	1372	
0135	KF2P	559	NY	NICK	13	
0136	NK9G	559	WI	RICK	2061	
0137	W9UQB	559	AZ	MIKE	413	
0139	N1TP	559	FL	TOM	1317	
0139	WS4S	579	TN	CONARD	993	
0140	K5E0A	559	LA	WAYNE	4W	
0141	K3NY	559	MD	NICK	1927	
0142	AF4PS	559	FL	MAC	704	
0143	K1QM	449	MA	JOEL	337	
0144	W6BAB	579	CA	HARVEY	5W	
0145	K50I	579	NM	TIM	73	
0145	VE5VA	559	SK	PETE	46	
0146	KB1ENS	559	CT	JOHN	2150	
0147	K5TR	559	TX	GEO	5W	
0148	NK7M	449	AZ	BOB	271	
0149	VE3JC	559	ON	JOHN	744	
0150	AA5UN	359	TX	MARTY	5W	
0151	KU7Y	579	NV	RON	17	
0153	N10DL	559	NH	ARON	1316	
0154	N5IB	559	LA	JIM	1913	
0155	W8BXN	569	OH	MIKE	2230	
0155	W4SI	599	NC	ROD	5W	
0156	K7Q0	559	AZ	CHUCK	1	
0157	N9B0R	339	IL	MIKE	501	
0158	W4EEX	559	KY	SARA	2W	
0159	W5YW	NIL				VOID
0200	KB2SWY	329	NJ	IRWIN	5W	
0201	N4HAY	579	NC	DICK	1008	
0202	W5YW	559	LA	MIKE	5W	

0203	AA8IV	559	OH	RICH	4W	
0205	W5CMA	559	TX	GEORGE	5W	
0207	W3ERU	559	MD	WES	5W	
0209	W4EN	559	NJ	ED	2216	
0213	KB7MBI	559	WA	ALAN	1299	
0215	K1MG	559	CA	MIKE	614	
0216	NC90	559	IL	SKIP	913	
0217	KX3X	559	PA	GREG	70W	
0219	KB9BVN	339	IN	BRIAN	1540	VOID (DUPE)
0221	W8IZZ	NIL				VOID
0230	KD7CTF	579	OR	LEE	1694	
0230	VE5RC	119	SK	BRUCE	886	
0234	K1MG	NIL	TOLD	B4		VOID
0234	K5UP	559	OK	GLEN	21	
0239	N9QIL	549	IN	KEN	1417	
0242	?5NCE	NIL				VOID
0242	N0RZ	559	KS	CHAS	4W	
0243	AB0CD	559	CO	DICK	483	
0244	KF2DA	559	NY	JIM	5W	
0247	K7TQ	559	ID	RANDY	102	
0250	VE5QRP	339	SK	BRUCE	5W	
0257	K0EVZ	559	ND	DOC	861	
0258	AE4MU	529	WA	DENNIS	5W	
0259	N0UR	559	MN	JIM	799	
0300	N1FN	559	CO	FOX	9999	

Marshall Emm, N1FN
Milestone Technologies, Inc.
(303) 752-3382
<http://www.mtechnologies.com>

Date: Fri, 25 Aug 2000 22:42:26 -0400
From: "Randall M. Payne" <randyp@strato.net>
To: qrp-1@Lehigh.EDU
Subject: [78108] W4RNL
Message-ID: <3.0.6.32.20000825224226.007aa780@mail.strato.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks all. Guess every link I found by my search was old as apparently was my bookmark.
73
Randy K4EZM

Date: Fri, 25 Aug 2000 22:54:25 EDT
From: BenNW7DX@aol.com
To: qrp-1@lehigh.edu
Cc: AdamN7YA@aol.com
Subject: [78109] Fox- #16 This Sunday, NW7DX - Last single hunt of the season
Message-ID: <b7.6422a50.26d88b61@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Wow, this season has sure gone by fast, it's my turn already!
Hello, I'm Ben NW7DX and I'll be in the fox suit on Sunday afternoon at 2000z (1pm Pacific, 2pm Mountain, 3pm Central, and 4pm Eastern).
Ok, here's how it's gonna work... please pay close attention... I will be calling CQ FOX de NW7DX and then all you have to do is call me a couple hundred herz above (or below) my frequency, sending your callsign once. If I give a "?" or "AGN" then you can send your callsign again. After you call me, Please Listen for your callsign. During a few hunts this summer I heard a couple hounds continue to call and call the fox While the fox was transmitting. Please remember that if you can not hear me, don't call me. Also, I can not hear you if I am already transmitting. When you hear me come back to a station, Stop transmitting.

Ok, now that i've got that out of the way I'll tell you what I'll be using :-)) I will be going to a local ham's house for the hunt, where I will be equipped with a FT-920 and a 20 mtr 5 ele monoband yagi up about 50 or 60 feet. Hopefully even with tough condx, I will be able to pull you out. I will be starting the hunt lower than 14.060, like around 14.055 or 057 because of the other contest that will also be going on.

At the beginning of the hunt, I'll be beaming SW, where I will be able to get most states from up here in Redmond, WA but continuously through the hunt, I will be turning the beam in ALL directions. So if i'm really weak at your QTH, wait a couple minutes and check again.

I am really looking forward to this hunt and I think it will be a success, BUT, I only account for half... You are the other half and are needed to make this a success! I want to work Everyone, so even if you're in the contest, come down and give me a shout... I'd love to put you in the log! I know that Marshall got a few "first timers" in his hunt on Thursday and I would like to work you guys as well!

As for speed, it will be varying throughout the hunt. I know there are quite a few fast ops out there and I will definately satisfy their needs by whipping a rapid reply right back at them. I also know that there are quite a few ops that like to take their time on cw and I'll show the same courtesy, sending at their speed. When the pileup settles down and I give alot of CQ's, the CQ's will be at a nice slow speed, so I won't miss anyone.

Well, hopefully the propagation gods will be with us and everyone will

have a chance at bagging this fox!

72 and GL,
NW7DX WA Ben #1892
Redmond, WA

Date: Fri, 25 Aug 2000 22:57:41 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: <jamesd1@flash.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [78110] Re: Low Noise Op Amps
Message-ID: <006c01c00f09\$6709ed40\$06678118@tci.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've used the majority of these devices since I began designing op-amp circuits in the mid-'70s, starting with a complete op-amp retrofit in a ca. 1967 RCA BC-7 broadcast console. It was remarkable just how much better the audio improved from a design with germanium transistors and output transformers, to a directly-coupled, servo-based design to minimize DC offsets.

It's difficult to beat the Signetics 5534/5532 as a single device when driving relatively low impedance stages or even directly to headphones. My Apt-Holman audiophile preamp uses a single 5532 to drive the headphone jack and the output is surprisingly good when using a low-noise, bi-polar power supply at +/- 18 volts. However, I don't believe Signetics ever intended that the 5534/5532 be used to drive impedances any lower than 600-ohms, and not unconditionally.

The output impedance specs for the Bi-Fet series (TL0-72, LF353/TL0-82, et. al.) is much more limited. Greater than 2K-ohm, with TI recommending greater than 10K-ohm for most audio applications. With a bipolar supply, a complementary-symmetry pair of transistors (e.g., Motorola JE181/171) makes for an excellent current source, with extremely low cross-over distortion and with the ability to drive impedances as low as 10-ohms...my favorite headphone amp of all time.

As good as all these op-amps are in terms of noise and speed, I suspect their performance is masked by many other limiting factors. While I wouldn't advocate using 741 or 4558 op-amps in any design, I believe that from a noise perspective, diminishing returns would be reached at the LF353/TL0-82/TL0-81 performance point for most narrow-band communications applications.

To this day, Walt Jung's Op-Amp Cookbook is my authoritative reference, particularly the first few chapters on differential amplifier concepts.

One of the best audiophile op-amps in existence came from Analog Devices located in Tucson, AZ. They were headed by a Richard Gerdes, a brilliant engineer who developed the world's first 1 GHz discrete op-amp. Anyone know if they're still in existence?

-Paul, W9AC

----- Original Message -----

From: "James R. Duffey" <jamesd1@flash.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Friday, August 25, 2000 10:22 PM

Subject: Low Noise Op Amps

> The recent discussion on low noise op-amps for the NC-20 drove me to dig up

> some noise specs so that I could see which op amps did what. I thought I

> would share it with you. The devices were suggested by various contributors

> to QRP-L.

>

> Amp	Noise (nV/rtHz at 1kHz)	Digikey Peice
-------	-------------------------	---------------

>

> OPA2604	11	\$2.39
-----------	----	--------

> TL072	18	\$0.92
---------	----	--------

> NE5532	4	\$1.20
----------	---	--------

> LF353	25	\$0.53
---------	----	--------

> LM833	4.5	\$1.12
---------	-----	--------

>

> I know that you can get these parts cheaper than at DigiKey, but the comparative prices are probably good. At any rate, none of the prices are prohibitive.

>

> The noise figure is rather incomplete as it depends on the shape of the power spectral sensity as a function of frequency. You really need to integrate over the bandwidth of interest. As an example, the OPA2604 has an

> integrated noise of 1.5 microvolts from 0.1 Hz to 20 Hz. This is gained up by the final audio amplifier. I could not find noise mentioned anywhere in the spec sheets of the two most commonly used QRP audio amplifiers; the LM 386 and LM 380. This may explain why some users are unhappy with the hiss from these parts as they are not screened for low noise. None the less, a good modern part that could rfeplace the LM386, the LM4864, has noise of 30

> microvolts with a gain of 2 integrated over a 22k Hz bandwidth. Thus the

> noise from the previously mentioned OPA2604 will be amplified to 3
> microvolts and will be less than a tenth of the noise of the final
amplifier.
> Since the noise adds in quadrature, the op amp will make the noise of the
> final audio amplifier grow from 30 to 30.15 microvolts. Typical output
> stages run at 300 millivolts to good headphones, so the noise contributed
by
> the op amp is about 0.1% of the noise in the final output. This should be
> fine for QRP.
>
> The noise from the old 741s is quite high. I don't have specific figures,
> but I recollect that it is in the range of 50 to 100 nV/rtHz. This has a
> significant impact on the output
>
> By the way, the dual OPA2604A is an excellent choice for dual stage
> applications such as audio filters. The two op amps are biased entirely
> separately and interactions between the two are minimal. The NE5532 was
the
> first "audio op amp" and has good low noise, low distortion, and high slew
> rate characteristics for audio applications. The audiophiles jumped all
over
> these parts when they were introduced in the late 70s and they are still
> good choices.
>
> I don't have a copy of an LMC662 data sheet handy, but that has also been
> suggested as a low noise low power audio op amp. I will dig further.
>
> By the way, if you have used a Burr-Brown device made in the last 20 years
> or so you have probably been the recipient of Thomas's, AC7A, attention to
> detail.
>
> I hope that this helps. Keep in touch. - Dr. Megacycle KK6MC/5
>
>
> --
> James R. Duffey KK6MC/5
> 30 Casa Loma Road
> Cedar Crest, NM 87008
>

Date: Sat, 26 Aug 2000 03:20:40 +0000
From: jacksonharbor@att.net
To: qrp-l@lehigh.edu
Subject: [78111] Epson Oscillators
Message-ID:

<20000826032040.JBTI15332.mtiwmhc21.worldnet.att.net@webmail.worldnet.att.net>

Here is an interesting web page on the "specify-able"
Epson oscillators:

<http://www.cpinternet.com/~lyle/epson/epson.htm>

Lyle, K0LR, has some interesting stuff on his main
page, too:

<http://www.cpinternet.com/~lyle/>

Best Regards,

Chuck Olson, WB9KZY
Jackson Harbor Press
<http://jacksonharbor.home.att.net/>

Date: Fri, 25 Aug 2000 23:29:40 EDT
From: BenNW7DX@aol.com
To: pwomble1@tampabay.rr.com
Cc: qrp-l@lehigh.edu
Subject: [78112] Re: Fox- #16 This Sunday, NW7DX - Last single hunt of the season
Message-ID: <e1.90ac6b6.26d893a4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Woops! Thanks Paul... Yes, It is supposed to be SE. I don't want to be
hogging just the 6's :-)

72,
Ben - NW7DX

In a message dated 00-08-25 23:04:35 EDT, you write:

<< Noticed in your post you would be beaming SW?? Was that supposed to be
SE???

Hope you can hear us here in the Swamp!!

73
Paul AJ4Y >>

I am posting this for a friend, Mike Clausen (Solderman) - KK7GG who doesn't have internet access at home and whose employer frowns on list subscriptions on company mail. Please reply off list to me and I will digest and forward to him any relevant answers.

Any and all suggestions are welcome.

- Tom Scott, eEngineering Manager, eBusiness Group
//_/_/_/_/_/_/_/_/_/_/_/_/_/
Wyle Electronics
10300 SW Nimbus Ave #PB
Portland, OR 97223
503-603-1931 - Tel
503-684-6620 - Fax
503-703-2032 -- Cell
KD7DMH
//_/_/_/_/_/_/_/_/_/_/_/_/_/

Well, gang,
It was a B-L-A-S-T!!! I hope I did not miss too many stations, noise level

was a bit high here in WWA. I was pleased with the turnout and those that stuck out the repeated exchanges. I tried to give realistic signal reports so you should have an idea of how well you were doing. I plan to have an endfed low horizontal wire next time to supplement the farm and should help with those within 1000 miles. The reports may have a few errors so please forgive. I was really surprised how well the stateside DX (smile) was tonight. Worked all three coasts Super group. Big round of applause---you deserve it.

QSL: Special FOX cards will be mailed out Monday. Alan KB7MBI

 40M---7.135 0000-0100z 26 AUG 2000

N6WG	579/339	CA	BOB
NW7DX	579/579	WA	BEN
KD7JKI	579/579	OR	JASON
KB7WW	599/579	OR	ART
K6RS	339/339	CA	BOB

QRN (hi noise level) QRM (moderate) QSB (moderate)

=====

20M---14.050 0105-0200z 26 AUG 2000

VE3OQN	599/589	ONT	BOB
W2RBA	339/459	NY	JOE
KG4BIG	459/559	KY	KEN
K1QM	569/559	MA	JOEL
AG0T	339/359	ND	TODD
WB9IOG	579/559	IA	MIKE
WD6FDD	339/339	CA	RICK
KC2FCT/M	559/???	???	???
N5IB	449/449	LA	JIM
WD5CMA	359/449	LA	GLORIA
W5YW	339/459	LA	???

QRN (hi noise level) QRM (moderate) QSB (moderate to high))

RIG.....QRP+
 ANT(40)....GAP TITAN
 ANT(20)....1/2 w1 vertical
 PWR.....5W

BAND COMMENTS: both bands faded at the end. Several stations heard in the noise on 40m but was unable to copy the call.

Date: Sat, 26 Aug 2000 04:16:19 -0700
From: KB7WW Art Moe <kb7ww@chatusa.com>
To: qrp <qrp-l@lehigh.edu>
Subject: [78115] VE7SL
Message-ID: <39A7A703.EFCA874B@chatusa.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

VE7SL is on and calling cq at his usual freq (7042.20) about 449
there is a qso going on dwn about 200 cys so listen hard.

Art
KB7WW

Date: Fri, 25 Aug 2000 21:23:47 -0700
From: "Jason Milldrum" <thecabal@mindspring.com>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [78116] RE: Crippled Fox Report
Message-ID: <NEBBKHNMEDODBDLOKEPJAEHLCDAA.thecabal@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just wanted to let everyone on the list know that I appreciate Alan
running the Crippled Fox hunt for the shaky code newbies like me. I look
forward to doing it again soon and hopefully jumping into the full-fledged
version next time that it comes around.

Thanks Alan and keep up the good work!

72,
Jason

Jason Milldrum, KD7JKI
Salem, Oregon, USA
ARRL | QRP-L #2209 | FPQRP #118 | hamradiochat
Web: <http://thecabal.home.mindspring.com>

Join the hamradiochat discussion group:
<http://thecabal.home.mindspring.com/kd7jki/hamradiochat/>

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> ARDUJENSKI@aol.com
> Sent: Friday, August 25, 2000 9:05 PM
> To: Low Power Amateur Radio Discussion
> Subject: Crippled Fox Report
>
>
> Well, gang,
> It was a B-L-A-S-T!!! I hope I did not miss too many stations,
> noise level
> was a bit high here in WWA. I was pleased with the turnout and those that
> stuck out the repeated exchanges. I tried to give realistic
> signal reports so
> you should have an idea of how well you were doing. I plan to
> have an endfed
> low horizontal wire next time to supplement the farm and should help with
> those within 1000 miles. The reports may have a few errors so please
> forgive. I was really surprised how well the stateside DX (smile) was
> tonight. Worked all three coasts Super group. Big round of
> applause---you
> deserve it.

Date: Fri, 25 Aug 2000 21:31:50 -0700
From: "Tom Scott" <TomRScott@Sterlink.net>
To: "'qrp-1 Reflector'" <qrp-1@Lehigh.EDU>
Subject: [78117] OT: component shortages...
Message-ID: <000201c00f16\$ffa0cf80\$7e100f0a@wyle.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FWIW:

There is a dirty word in the electronics distribution industry, "allocation" which is what happens when parts shortages and lead times get so tight that manufacturers start telling customers how many of a part they can purchase and when. We aren't generally in that mode yet (with a few exceptions), but the rapid upswing in high tech business has definitely left the manufacturers with some shortages of fab capacity and very tight supplies in many areas. These times can get very difficult to predict, in some cases low-demand or near-obsolete parts will have trouble getting priority for wafer starts, and in other cases demand for a high popularity part already being built in huge quantities will nevertheless see increases in demand

that far outstrip capacity. Nevertheless, it is generally true that surface mount parts will see much better long term availability in the future than through-hole parts; just open up any new high volume electronics product to see why. Make no mistake about it, we would be wise to plan for surface mount as much as possible.

Looking at the semiconductor supply problem from a semiconductor manufacturer's point of view, the granularity of investment in new fab capacity is in the several billions of dollars per fab now. Not to mention several years to build one and get it operational. Like most areas of human endeavor and economics in particular, demand exhibits dramatic and unpredictable up and down swings. Once a manufacturer reaches capacity it's a very spendy proposition to create more. If he happens to complete a new fab just as the market takes a downswing he can drive his profitability into the dirt. If he fails to start building in time for the next upswing, he's likely to lose huge market share. On top of that, the customers have a very difficult time predicting demand for their products which of course trickles back to the semiconductor manufacturers, and everyone is trying to raise profitability by managing minimal just-in-time inventories, leaving less slack capacity to handle upturns of demand. Finally the whole mess is complicated by the fact that new parts are being introduced at an accelerating rate on the order of hundreds per day. Many manufacturers are trying to manage a more complex mix of devices than ever before. The stress level of a fab planner or inventory asset manager is right up there with air traffic controllers and options floor traders. The amazing thing is that manufacturers can deliver what the market needs at all. These facts are some of the things that drive fab-less semiconductor vendors who depend on product-less foundries that just sell contract fab capacity.

Excuse the OT bandwidth, but perhaps of interest to some... Please comment off-list.

73

- Tom Scott, eEngineering Manager, eBusiness Group

///_/_/_/_/_/_/_/_/_/_/_/_/_/_

Wyle Electronics

10300 SW Nimbus Ave #PB

Portland, OR 97223

503-603-1931 - Tel

503-684-6620 - Fax

503-703-2032 -- Cell

KD7DMH

///_/_/_/_/_/_/_/_/_/_/_/_/_/_

Date: Fri, 25 Aug 2000 22:00:17 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Tom Scott <TomRScott@Sterlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [78118] Re: OT: component shortages...
Message-ID: <Pine.BSI.3.96.1000825215614.28545C-1000000@usr06.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 25 Aug 2000, Tom Scott wrote:

> FWIW:
>
> There is a dirty word in the electronics distribution industry,
> "allocation" which is what happens when parts shortages and lead times
> get so tight that manufacturers start telling customers how many of a
> part they can purchase and when. We aren't generally in that mode yet
> (with a few exceptions), but the rapid upswing in high tech business has
> definitely left the manufacturers with some shortages of fab capacity
> and very tight supplies in many areas.
>

<SNIP>

>
> Excuse the OT bandwidth, but perhaps of interest to some... Please
> comment off-list.
>

I thought it might be of general interest to note that I recently tried to purchase a number of 0603 size resistors and capacitors to continue some patent development work here. To my surprise, some of the parts will not be available until as late as January. I'll just have to make due with whatever I have on hand in the meantime.

Chris

```

      /-----\
     /  What's all this  \
    / extinct stuff, anyhow? \
   \-----/
  _ | /
 oo\
(--) \
     \ \ . ' . \
      \ \ / \

```

High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240


```

\  "      \
.      ( ) \
'-| )__| :. \
| | | | \ '.
c__; c__; '-..'>._

```

IEEE Member #40274515

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Sat, 26 Aug 2000 00:46:11 -0800
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [78119] PROPS: AL7FS gets slightly excited
Message-ID: <39A783D3.85815200@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello again from Alaska,

The e-alert for propagation tonight:
SFI=133 | A=3 | K=2 up from 1 at 0600 on 26 August.
Aurora Level: 4
More: <http://hfradio.org/propagation.html>

Once again, the aurora levels are 5 or less and once again, a very rare thing occurred for me tonight. I worked Belarus, EW6AX, Vlad in Vitebsk on 14.014 at 0641Z. I was his first Alaska and I was running just 5 watts. He had a 599 to my 569 which is a classic difference for QRO to QRP.

Now I know you folks in the lower 48 work Europe all the time, but I don't so please put up with my excitement these last few days. :-)

1. The 1,549,111 mile per watt contact with ZL1
2. The VE7SL TT2 contact on 40 meters (Oops, this just slipped in here)
3. The F5 QS0
4. The G3 contact
5. The EW6 QS0.

For me this is a great week. And all this on QRP. This is good.

I think I will try a bit harder now when the K and the Aurora numbers

look good. And I may be forced into going back through my logs and seeing how many countries I have worked. In 35 years I have never gotten DXCC for lack of administrative discipline...only 2 meter WAS and no WAS on HF, if you can believe it.

I hope to put in a bit of time in the BUBBA and the CQC contest where I hope to work some of you this weekend.

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska
QRP-L CD Ver. 3.1 available: <http://www.qsl.net/al7fs/QRP-CDver3.htm>
QRP ARCI #6754 Check out <http://www.qrparci.org/>
<http://www.qsl.net/al7fs/> <mailto:al7fs@pobox.alaska.net>

Date: Sat, 26 Aug 2000 06:55:32 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: Larry East <w1hue@amsat.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [78120] Re: Unique Screen Saver
Message-ID: <Pine.3.89.10008260602.A18320-01000000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 25 Aug 2000, Larry East wrote:

>

> Tired of watching toasters fly across your screen when your PC is idle? (Or
> those neat K2 photos?) Would you like to put your PC to good use when it is
> "idle"? If yes to any of the above, then check out
> <http://setiathome.ssl.berkeley.edu/>.

>

Just completed packet #499 on one of two "idle" computers. :-)

73,

Bob Patten, N4BP (0 0) Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://www.qsl.net/n4bp>
Brass Pounder BBS: (954) 472-7715
SOC #1Whiners #6

Date: Sat, 26 Aug 2000 06:20:09 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [78121] Ten Tek Argonaut Upgrade
Message-ID: <Pine.LNX.4.10.10008260610350.753-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Happy to say I have mailed off all of the excess transistors 2SC2166C that I had and am done with this chore. Of course I have the 1 page how to do it paper and the transistor data sheet in .pdf form which you can read/print it out with Adobe Acrobat, free software for windows AND LINUX!

You can get the transistors from RF Parts and they have a web site at www.rfparts.com and you can order stuff from that. They have a \$25 minimum. But differant than me you can buy a big tube of Heat Sink Compound and the transister mounting kits from them. You will have a lifetime supply of Compound...

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sat, 26 Aug 2000 15:16:12 -0700
From: "Merryprankster@cwcom.net" <merryprankster@cwcom.net>
To: <radman@best.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [78122] Re: FT-817 spec update...!
Message-ID: <00fd01c00fab\$3edba460\$a30f2cc3@houseqrx7neuap>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello all I have lost the link to the photo of the FT817 could some fine fellow be kind enough to send it to me thanks all M5B0B

Date: Sat, 26 Aug 2000 10:56:43 -0400
From: "Joe Malloy" <jmalloy@hamilton.edu>

To: <qrp-l@Lehigh.EDU>
Subject: [78123] RE: QRP-L digest 1924
Message-ID: <000001c00f6d\$d95fa5b0\$6347eed8@mozart>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey, gang, I won a new copy of the ARRL Antenna Book at a local hamfest two weeks ago and it was my birthday, no less! However, I already have a copy of this antenna handbook and would like to be free of this one. It's sealed, has the cd with it, and in pristine shape. If you'd like to have it, you can for \$10, shipping included. Please contact me off the list at w2rba@arrl.net. Thanks.

72,

Joe, W2RBA

Date: Sat, 26 Aug 2000 08:18:35 -0700
From: "Dan Trigilio" <danjt@cruzio.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [78124] Re: component shortages...
Message-ID: <000801c00f70\$e7dabdc0\$5e8ae3a5@n1dtscomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tom, thanks for the "OT" post. Very interesting, it explains a lot. Living near the Silicon Valley, I see the those stressed out folks everyday. No thanks. I'll stick to repairing medical equipment. Now I understand better why I can't always get my repair parts/boards in a timely manner.

GL es 73, Dan W6DAN
Capitola, CA

Date: Sat, 26 Aug 2000 10:21:26 -0500
From: Gregory R Breeden <al0a@juno.com>
To: qrp-l@Lehigh.EDU

Subject: [78125] Sierra or Monobanders
Message-ID: <20000826.102126.-1713291.0.al0a@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Group,

I've been thinking about buying a portable rig for camping/backpacking. I am interested in 40 and 20 meter operation, mostly. The Wilderness Radio-Sierra has multi-band capability via the band modules. I have heard others speak of building separate mono-banders for their excursions. I travel on business, too. I am away more than at home. The K2 is not a real option for me.

I want to get some thoughts from others on the list: If you traveled and wanted to have simple, CW capabilities would you go separate Mono-banders or the Sierra??

Please feel free to respond directly or via the list. Whatever you prefer.

Greg Breeden, AL0A
P.O. Box 125
West Baden, IN 47469
al0a@juno.com

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sat, 26 Aug 2000 11:32:38 -0400
From: "Joe Malloy" <jmalloy@hamilton.edu>
To: <qrp-1@Lehigh.EDU>
Subject: [78126] RE: antenna book
Message-ID: <000001c00f72\$dd50ead0\$6347eed8@mozart>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Antenna Book has been spoken for, folks, but thanks to all who responded.

73,

Joe, W2RBA

Date: Sat, 26 Aug 2000 11:29:38 -0400
From: "Makai" <makai@grouper.batelnet.bs>
To: <qrp-1@Lehigh.EDU>
Subject: [78127] Wanted: DSW-20
Message-ID: <003b01c00f73\$7546be00\$faed48d8@pepe>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang...

I know that it is a long shot, but if anyone has a Small Wonder Labs DSW-20 that is surplus to their needs please respond to me off the list... I would prefer an unbuilt kit with factory enclosure but would consider also be interested in just the kit or a completed unit as well... I would like to get one up and going for the "To The Field" event in Sept...

I will be looking for you all on 20 M today in the BUBBA contest... As usual I will be signing KL7H/C6A... Temp is already up to 85 F...

Take care and have fun...

72 - Bruce - KL7H / C6A

<http://www.qsl.net/kl7h>

Date: Sat, 26 Aug 2000 08:41:17 -0700
From: "Damon Raphael" <w7md@azstarnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [78128] Re: [Elecraft] Stripping magnet wire (toroids)
Message-ID: <004c01c00f74\$1440fc00\$0220c5a9@virgo>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I use the solder blob method. I have best results with solder that is not silver bearing to accomplish the stripping.

To avoid incomplete coating removal, I leave the lead longer to start and mount the unstripped coil pulling the leads tightly to eliminate all slack. Then I bend the leads out sharply to leave a definite kink in the leads where they will exit the plated thru holes in the circuit board. Then I remove the coil, shorten the leads and blob strip the coating far enough past the kink to assure that there will be tinned wire thru the entire thickness of the board hole.

With some solders I then have to lower the iron temp to avoid oxidizing the solder when I do the final tinning. I raise the iron temp back into the 700 to 800 range to do the actual installation. Usually, I use silver bearing solder for this.

Damon, W7MD

Tucson, AZ

Date: Sun, 27 Aug 2000 02:42:33 +1000
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [78129] Re: Low Noise Op Amps
Message-ID: <39A7F379.BCA4D48D@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

"James R. Duffey" wrote:

> This is gained up by the final audio amplifier. I could not find noise
> mentioned anywhere in the spec sheets of the two most commonly used QRP audio
> amplifiers; the LM 386 and LM 380. This may explain why some users are unhappy
> with the hiss
> from these parts as they are not screened for low noise.

I have a recollection that Ulrich Rohde D2JLR (1975) was not necessarily impressed with IC's for this reason. At IF frequencies and also at audio frequencies.

> None the less, a good modern part that could rfeplace the LM386, the LM4864,
> has noise of 30 microvolts with a gain of 2 integrated over a 22k Hz
> bandwidth. Thus the
> noise from the previously mentioned OPA2604 will be amplified to 3 microvolts
> and will be less than a tenth of the noise of the final amlifier. Since the
> noise adds in quadrature, the op amp will make the noise of the final audio

> amplifier grow from 30 to 30.15 microvolts. Typical output stages run at 300
> millivolts to good headphones, so the noise contributed by the op amp is about
> 0.1% of the noise in the final output. This should be fine for QRP.

Jim, my personal experience has been "what part is conveniently available, is used". The parts quoted are indeed among "the best". Unfortunately not always "readily available".

I, as nearly always , agree with what you say. However how many times in a project do we reject a readily available component with far better specs in favour of another device which happens to be \$1.30 cheaper. Like many things in life we will save \$1.30 and put up with the consequences. Below, Jim refers to the "old" 741. For a few cents more there are far better replacements.

> The noise from the old 741s is quite high. I don't have specific figures,
> but I recollect that it is in the range of 50 to 100 nV/rtHz. This has a
> significant impact on the output

>

> By the way, the dual OPA2604A is an excellent choice for dual stage
> applications such as audio filters. The two op amps are biased entirely
> separately and interactions between the two are minimal. The NE5532 was the
> first "audio op amp" and has good low noise, low distortion, and high slew
> rate characteristics for audio applications. The audiophiles jumped all over
> these parts when they were introduced in the late 70s and they are still
> good choices.

>

> I don't have a copy of an LMC662 data sheet handy, but that has also been
> suggested as a low noise low power audio op amp. I will dig further.

>

> By the way, if you have used a Burr-Brown device made in the last 20 years
> or so you have probably been the recipient of Thomas's, AC7A, attention to
> detail.

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords S33 14', E151 34'
My FREE Newsletter: <http://www.electronics-tutorials.com/subscribe.htm>
VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 FP#91
URL - <http://www.electronics-tutorials.com/>

Date: Sat, 26 Aug 2000 08:53:32 -0700
From: Radman <radman@best.com>
To: "'Merryprankster@cwcom.net'" <merryprankster@cwcom.net>
Cc: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>

Subject: [78130] RE: FT-817 & pics...
Message-ID: <01C00F3B.2C8D03A0@radman.vip.best.com>

Gang,

Here are the best sites for FT-817 pics (that I'm aware of):

URL: <http://www.xe1kk.net/>

<page down to "otros">

click on 'FT-817/nuevo'

<page down to three FT-817 picture links>

Be sure to check-out the superb brochure pic courtesy of Patrick, W3P0!

Next: check-out the Yaesu JA URL: <http://www.yaesu.co.jp/experts/4206-1.htm>

Have fun,

Conrad Weiss - NN6CW

From: Merryprankster@cwcom.net[SMTP:merryprankster@cwcom.net]
Sent: Saturday, August 26, 2000 3:16 PM
To: Low Power Amateur Radio Discussion
Subject: Re: FT-817 spec update....!

Hello all I have lost the link to the photo of the FT817 could some fine fellow be kind enough to send it to me thanks all M5B0B

Date: Sat, 26 Aug 2000 11:48:02 -0400
From: wb2vuo@juno.com
To: qrp-1@lehigh.edu
Subject: [78131] Linux For Windows 7.1 Source
Message-ID: <20000826.114808.-162675.1.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here's the info as to where my brother got Linux for Windows. I have had a couple of requests for the source seeing that the package was snapped up so quickly.

The Mandrake Linux for Windows 7.1 is sold at CompUSA for \$20 The stock number is 276249. They also have the "Classic" Linux for a separate installation without going thru Windows. I don't have the number or price, but it's on the shelf in the same area.

No interest in CompUSA, in fact I only shop there when nobody else has what I want!

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp President, Brockport Amateur Radio Klub & Tech Coordinator, ARRL WNY Section

My night light runs more power than my Rig!!!

Replies - <mailto:wb2vuo@arrl.net>

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Sat, 26 Aug 2000 11:05:34 -0500

From: "Randy Moore" <wr.moore@worldnet.att.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [78132] FS: TS-850SAT

Message-ID: <NBBSBJGGJJNBGADODHMFDEEEMEDAA.wr.moore@worldnet.att.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

TS-850SAT in near perfect condition, both functionally and cosmetically. Two, non-smoking owners, both with very little useage. Has 2 IRAD 400 hz CW filters (#103 & #104) and the 1.8 kHz SSB filter (Kenwood YK-88SN-1). Includes IF232C computer interface unit. No microphone. \$1050 firm, shipped CONUS. Does a fine job QRP.

72,

Randy, KS4L

Date: Sat, 26 Aug 2000 09:12:20 -0700

From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>

To: "'al0a@juno.com'" <al0a@juno.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [78133] RE: Sierra or Monobanders
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBD02@arcadia-pd1.arcadiapd.com>
MIME-Version: 1.0
Content-Type: text/plain

Greg and the List;

I've also had thoughts about travel- and (daydreaming) trail-friendly radios (TFRs). Right now I am considering small monobanders that I can put in a case of my choice, along with an L-network or Z-Match antenna tuner and RF-powered LED match indicator. I am looking at the Small Wonder Labs "Plus" radios because of small size, and that I don't have to pay for a case that won't suit my particular needs. One thing I've found in TFR and stealth radio is that no supports for a bulky coax-fed dipole (or ways to get the coax outside) are available when needed most. With a tuner there is nearly always a way to sneak some dull-colored thin wire outside for a doublet, end-fed and counterpoise, or loop. My TFR might not even get a 50-ohm antenna connector!

Of course your band, power or size constraints will be different.

72,

Jay

W6CJ

Group,

I've been thinking about buying a portable rig for camping/backpacking.

I

am interested in 40 and 20 meter operation, mostly. The Wilderness Radio-Sierra has multi-band capability via the band modules. I have heard

others speak of building separate mono-banders for their excursions. I travel on business, too. I am away more than at home. The K2 is not a real option for me.

I want to get some thoughts from others on the list: If you traveled and

wanted to have simple, CW capabilities would you go separate

Mono-banders

or the Sierra??

Please feel free to respond directly or via the list. Whatever you prefer.

Greg Breeden, AL0A

P.O. Box 125

West Baden, IN 47469

al0a@juno.com

Date: Sat, 26 Aug 2000 13:03:20 -0400
From: "David Porter" <dporter@voicenet.com>
To: <wb2vuo@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [78134] Re: Linux For Windows 7.1 Source
Message-ID: <200008261703.NAA50624@nss4.cc.lehigh.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

If you don't mind a long download, you can also get it from a mirror site near you. Start here and drill down!

<http://www.linux-mandrake.com/en/>

They have it in several forms including two CD image files. You can write your own.

David Porter
dporter@voicenet.com
AA3UR

> From: wb2vuo@juno.com
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Linux For Windows 7.1 Source
> Date: Saturday, August 26, 2000 11:48 AM
>
> <snip>
> The Mandrake Linux for Windows 7.1 is sold at CompUSA for \$20 The stock
> number is 276249. They also have the "Classic" Linux for a separate
> installation without going thru Windows. I don't have the number or
> price, but it's on the shelf in the same area.
>
> No interest in CompUSA, in fact I only shop there when nobody else has
> what I want!

<snip>

Date: Sat, 26 Aug 2000 13:18:29 -0400
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [78135] QRP-L Website: Request for Articles
Message-ID: <39A7FBE5.526A8272@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Gang,

I would like an article (or two) from some of the ops who played "Da' Fox" this summer to publish as an article on the QRP-L website. OK, forget this summer; at any time!

I am going to write up my experiences as a hound, and would like it if other hounds would do so as well.

Please see <http://qrp.lehigh.edu/lists/qrp-l/articles.html> for article submission guidelines.

Tnx es 73,

John, KB1ENS
QRP-L WebMaster

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>
Personal Web page: <http://www.together.net/~jwag>

Date: Sat, 26 Aug 2000 11:47:12 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: QRP-L List <qrp-l@lehigh.edu>
Cc: w5gb@w5gb.nmsu.edu
Subject: [78136] Good Logging Software
Message-ID: <Pine.LNX.4.10.10008261139350.1333-1000000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I went to this webpage and got QRPDUPE.ZIP and it's just a great software for using on the ARRL Field Day. The site is:

<http://www.dancris.com/~bkassel>

and the dl goes fast because this is good software from the Arizona Scorpion group. It is written by Brian, K7RE and it runs well on my Windows 98. The places to put data are large for those of us who are old. I did some testing and it does warn you of dupes in real time. This software also has ARRL Sweepstakes and DX contest, and all the major QRP contests.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sat, 26 Aug 2000 12:15:37 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-1@lehigh.edu
Subject: [78137] FOX: Week 14 Results
Message-ID: <39A7B4E9.7126.5FD5F4@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The progressive results after N4ROA's hunt last Sunday are now on the web site at <http://www.cqc.org/sfox> .

Results after hunt 15 (my own) will probably go up tomorrow.

Big Dawgs Rule!

Marshall Emm, N1FN
Milestone Technologies, Inc.
(303) 752-3382
<http://www.mtechnologies.com>

Date: Sat, 26 Aug 2000 14:05:10 -0500
From: "David Bixler" <qrp@netins.net>
To: <a10a@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [78138] RE: Sierra or Monobanders
Message-ID: <LPBBJOMLLEAMGKJIGOGDEEBCCBAA.qrp@netins.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Greg:

I wonder if you have looked at the Elecraft K1. This little gem looks like it will be the answer for a small portable rig. It is considerably smaller than the K2 and only \$269, which if I recall correctly, is the same price as the Sierra with 2 band modules. It will start production in early September, so if you can wait, this might be just the ticket for a 40/20 meter rig.

You can see it at www.elecrcraft.com

I have both the K2 and several single banders here at W0CH. I am planning to keep the K2 as the primary fixed station rig, and don't expect to take it outside much.

Otherwise, until the K1 arrives (it's ordered!), I use single banders for travel and field work.

I have taken the Wilderness/NorCal 40A on two trips to Europe and had a blast working from the DX end. Great travel rig. Works fine on a AA battery pack or a wall wart power source.

This year, I took my NorCal 20 to Australia and New Zealand. Good little 20 meter rig, but more power hungry. Requires an amp of current on transmit, so had to lug along a Radio Shack 2.5 amp regulated supply along with the 220/110 voltage converter transformer.

Personally for travel, I like small, low power rigs that don't need a big power supply. Lot easier to pack two SWL's or NorCal 40 type rigs and a AA pack than to worry about big power supplies. I am hoping that the K1 can be tuned down to one or two watts and will be happy with a small battery pack.

That's my 2 cents worth.

Best 72,

Dave

David Bixler W0CH - VK2IQX
Seneca, Missouri QRP-L # 618
<http://www.qsl.net/w0ch/>

QRP: Little radios, big fun!

Date: Sat, 26 Aug 2000 20:19:07 +0100
From: Euramcom <mel@euramcom.freeseve.co.uk>
To: <qrp-l@lehigh.edu>
Subject: [78139] Re: Euramcom & NFH/cookies
Message-ID: <E13S1eo-00029m-00.2000-08-26-20-30-22@mail4.svr.pol.co.uk>

Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi Gangue

In another life I design web sites and use cookies and so on.=
When a
visitor to one of my commercial sites raises a concern, I have a
concern that I might be alienating them, and other potential
visitors
and driving them away. One of the visitors from the list to my
"neighbours-from-hell" site raised the point I was using an ISP=
that
had Doubleclick ads on it.

Suffice to say, I felt I should be treating this point=
similarly,
even though this site (Neighbours-from-hell) is a throwaway=
designed
to relieve my stress level as much as anything else.

I've looked at the doubleclick cookie structure which is left on=
the
users computer after they access a site using doubleclick's ads.=
It
consists purely of an ID number and visit code. You can do this=
for
yourself, depending on the browser you use. In Netscape these=
are
held in a file called cookie.txt which is stuck on the end of
something like c:\netscape\users\name\cookie.txt. Explorer keeps
them
in a c:\windows file under cookie. Find the file and you can=
use
"My
Computer" to open them, they are simple text files.

I've "back-doored" the code at doubleclick, and the sole purpose=
of
the cookie seems to be to generate a note of the numbers who=
visit
in
total (for their advertisers to bump up revenue?), followed by=
the
number of times you visit in a six month period, after which the
cookie dies [unless you re-visit and start all over again] Again=

my
suspicion from a comments tag is this is for their marketing=
people
to hit advertisers with.

There's one more bit of code which looks for what you click on=
if
you
do in fact click on the banner ads. I've seen this one before=
also,
and it seems to set up grouped banner ads in the random sequence
once
you've clicked a few, and so sort of [very crudely] targets the=
set
of ads within a group towards you. It's good stuff, but an=
absolute
b*****r to write and de-bug, I can assure you.

A problem with cookies is the "urban mythology" growing up round
them! A cookie by itself cannot extract info from your hard=
drive,
pass viruses or even get something as simple as your e-mail=
address
unless there's an input from you in response to a question. In=
other
words, it cant say you are Melt @ arrl net unless you tell it so
yourself. If you fill in a form on a web page, then a cookie can=
be
set with most if not all of that info, but processing it is
horrendous, and so most cookies do kind of eye-candy gimmicky=
things
like:-

Hi Mel, welcome back You have visited xx times now!

Don't tell anybody, but they can't even handle apostrophe
abbreviations like "can't" "won't" and "I'm" because the Jscript=
bit
thinks these are part of the associated Javascript script.=
That's
why
alert boxes never have those abbreviations in them! True, go look=
at
a few, they were all written by Commander Data from Start=
Trek.8>)
You
can set up "cookiealerts" in most browsers, these are alert boxes
that

tell you someone wants to set a cookie.

In Netscape work your way through to "Preference" then="Advanced"
and
tick the box about five down from the top for (if I remember correctly) Confirmation of cookies or similar. Once this is=ticked,
each time a web page tries to set a cookie, then Netscape will=tell
you what it is for, and who wants it (the server) and lets you choose
if you want to accept it or not. I think it also tells you the expiry
date for it as well [certainly used to in earlier Netscape]

I rarely use Explorer [hate the thought of Bill gates making=even
more money out of me] but it also has the same facility, but=ISTR
does not give out quite as much info. Try under=Preferences?Options
and look for cookies and confirm.

Sorry if this is a bit long, and if you know some of this stuff.=
I
am
NOT worried by cookies at all, what does worry me is if enough
people
disable them or keep deleting them then sure as h*ll some=
smart-ass
programmer
will write a prog that WILL access the HDD and we'll be the last=
to
know!

Take care, and enjoy your day Guys 'n Gals

If you want to visit the Neighbours site,

<http://neighbours-from-hell.20m.com> will get you there!

Regards

Mel;

--72 and 73 de Mel Evans, e-mail mel@euramcom.freeserve.co.uk

Mel Evans GM6JAG Edinburgh Scotland
Home of the last HW9

Visit <http://www.euramcom.freeserve.co.uk> for
US Euro Ham Radio Equivalent Parts and info,
Add-a-Link page let's you add your own pages instantly

Date: Sat, 26 Aug 2000 19:52:17 +0300
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: tentec@qth.net, eleccraft@qth.net, QRP-L <QRP-L@lehigh.edu>
Subject: [78140] Re: [TenTec] RFI from GSM phone into 705 mike?
Message-ID: <39A7F5C1.9EC1B345@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Arjen Raateland wrote:

> I just noticed that my Ten-Tec 705 desk mike suffers from RFI whenever a
> GSM phone is active within ca. 3 m. I don't have a GSM phone myself, so
> I hadn't noticed this before.
>
> When VOX is used, the rig's TX will come on with full power; when PTT is
> used, the GSM phone also causes a microphone signal more than big enough
> for full output. As detected on a second RX the resulting audio is
> typical of GSM phone interference.

I haven't been on-line yet since sending off the above, so I haven't
read replies if any, but in the mean time I have succeeded in making the
mike quite a bit less sensitive to the GSM signal.

First I slipped a single large ferrite bead type FB43-801 on the white
(af), red (+) and black (gnd) wires from the microphone cable near to
the PCB. This helped nicely, as the RFI free distance was more than
halved from 3 m to 1 m.

Next I dug up a not too big clamp-on choke and added that over the
microphone cable inside the mike stand. It does take up fairly much
space, but I don't use a battery inside the stand anyway.

Then I unsoldered the twisted wires to the microphone element close to
the PCB and pulled them twice through a longish ferrite bead type
FB77-6301 (5 mm hole) before resoldering them. (Fortunately I had used
teflon insulated wire, so it didn't become a mess.)

The sensitivity to the GSM signal is now even better (say half a meter).

I think that it might also be wise to add a ferrite bead with a few turns in the af signal line on the jumper block inside the K2 transceiver itself. I found that the TX is keyed by a close-in GSM signal even when the 705 mic's pre-amp isn't on (while using VOX mode on the K2).

I did NOT test for RFI rattle on the modulation itself during normal use of the transmitter when a GSM phone is operated nearby. I just tested how far away the GSM phone needed to be to not activate the the VOX.

I'm afraid there won't be any more testing now as I had to borrow a GSM phone to do the tests and even though ringing is enough the test for RFI, the phone has to be on, of course. I managed to lock up one GSM phone by entering the wrong PIN code thrice, which is a big boo, boo :-(To re-open it, forms need to be filled in triplicate, or so it seems as the phone is job-related

Anybody using a microphone preamp inside the K2 transceiver could do worse than adding ferrite beads already during installation. One could probably even slip small beads over the jumper block pins.

BTW, my current setup: K2 and Ten-Tec desk mike sit only a few meters away from the Hustler whip antenna (20 m) on my balcony, but that hasn't caused any problems. However, a GSM signal of rather less power is able to cause a good amount of RFI.

73,

--

Arjen Raateland
OH2ZAZ

AX.25: OH2ZAZ@OH2RBI.FIN.EU

Date: Sat, 26 Aug 2000 12:15:09 -0800
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [78141] BUBBA and AL7FS
Message-ID: <39A8254D.B4147D73@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Conditions are not so good today. I have made a few contact in AZ, NM and CA but that is all. I have lots to do today so I have bailed out of the contest for now.

Good luck to everyone else.

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska

QRP-L CD Ver. 3.1 available: <http://www.qsl.net/al7fs/QRP-CDver3.htm>

QRP ARCI #6754 Check out <http://www.qrparci.org/>

<http://www.qsl.net/al7fs/> <mailto:al7fs@pobox.alaska.net>

Date: Sat, 26 Aug 2000 13:22:09 -0700

From: Radman <radman@best.com>

To: "'elecraft@qth.net'" <elecraft@qth.net>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>

Subject: [78142] K1 Field Test begins !!

Message-ID: <01C00F60.A50F6320@radman.vip.best.com>

Gang,

Wow! Today's the start of Phase I - K1 Field Test!

Two of us are building K1's over the course of this weekend ... myself and Dr. Jeff 'fastest-toroid-winder-in-the-West' Grudin. We'll build 'em up, test 'em out, sniff 'em for smoke and *quickly* loan the units to Wayne & Eric for extensive Top Secret Mojo measurements. Presuming this all goes smoothly, Phase II - K1 Field Test will begin almost immediately thereafter - this consists of a larger group of left-coast locals who'll be running the same drill. They'll double-check our work and offer a larger sample group for Elecraft.

Somewhere in the midst of Phase I / Phase II Field Test, there will be PC board turns (as expected) and the K1 should then soon be ready to unleash to the Mojo-ready of the world!

Hey, I'd better stop writing... I've got my preliminary K1 manual & my K1 kit. It's time to rock 'n roll! I'll post an update after the build - looks like a fun project !!

73,

Conrad Weiss - NN6CW

Date: Sat, 26 Aug 2000 17:22:46 -0400
From: Tom and Roxy <zikot@erie.net>
To: qrp-l@Lehigh.EDU
Subject: [78143] Possible Equipment Sale Scam?
Message-ID: <3.0.5.32.20000826172246.007cd310@erie.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Does anyone have a phone number or updated email address for KG2JF,
Gerald P. Albertin?

He posted the following add on QRP-L:

X-From_: owner-qrp-l@Lehigh.EDU Fri Aug 11 06:19:02 2000
X-Envelope-To: <zikot@erie.net>
Date: Fri, 11 Aug 2000 06:13:44 -0400
Reply-To: kg2jff@juno.com
Sender: owner-qrp-l@Lehigh.EDU
From: Jerry Albertin <kg2jff@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: Items FS; Going QRP QRT
X-To: qrp-l@lehigh.edu
X-Mailer: Juno 4.0.9
X-Orcpt: rfc822;qrp-l@listserv.cc.lehigh.edu

I've decided to shut down my qrp station and have the following items for
sale. All are in excellent condition.

BLT tuner built and working \$29

P-tick keyer paddle kit built and working \$12

P-tick keyer kit, unbuilt \$10

2 MFJ 726 narrow audio filter for the 90xx series transceivers \$20 each

MFJ 412 curtis keyer for the 90xx series transceivers \$30

MFJ 971 Portable tuner \$65

MFJ 564B (black base) iambic paddles \$40

Autek RF-1 Antenna Analyzer (purchased about 6 weeks ago and used once)

\$100

Prices include shipping but no insurance (if requested it will be extra)

The antenna analyzer showed the poor condition of my coaxes and it is just too much of a chore to replace them, therefore I'm going QRT.

Interested parties please email me direct

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

I responded to purchase the unbuilt P-tick keyer for \$10.00 and was told by Mr. Albertin that it wasn't sold and he told me he would sell it to me for \$10.00, no shipping. I intended to use it with my SMK-1 in the field so I can keep my other key on my Atlas 210X.

I mailed him a US postal money order on 08/19/00 for \$10.00. I asked, by email, if he would let me know when he received the money order and he said he would.

Since it only should take a maximum of 3 days to get mail from Erie to his QTH

in Amsterdam, NY. I got concerned by 08/25/00 so I emailed him to ask if he received the money order and the email got kicked back from his Juno account. Today I tried to find a phone number for him but he is not listed. Does anyone

know KG2JF or have a phone number for him so I can find out if he has sent my P-tick keyer. I realize that \$10.00 is not a whole lot of money but, none the less, it is money that I earned and I would hate to think that I got stiffed, especially by a fellow Ham!

Did anyone else on QRP-L buy any of his stuff and if so have you received it yet?

Tnx for anyone that has any info to pass along.

73's es gud DX!

Tom & Roxanne
WA1VAI/3

Date: Sat, 26 Aug 2000 17:25:26 EDT
From: W8IRQ@aol.com
To: qrp-1@lehigh.edu
Subject: [78144] FS Argonaut 11
Message-ID: <16.18b3e31.26d98fc6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In excellent condx, with mic. & manual. First \$ 625.00 plus shipping gets it. Nick, W8IRQ

Date: Sat, 26 Aug 2000 18:12:03 EDT
From: BruceAA5B@aol.com
To: qrp-1@lehigh.edu
Subject: [78145] AA5Bubba
Message-ID: <16.18cb580.26d99ab3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

BUBBA 2000

Condx horrible here in NM. Almost no one had a signal much above the noise level on any band. Worked only 6 stations on 40, 5 on 15. Can it get any worse?!

52 QSOs, 29 SPC

Outdoors, 5 W, about 92 heat index, about 277k points.

-Bruce AA5B

Date: Sat, 26 Aug 2000 18:14:49 -0400
From: billrobb@net-link.net
To: HEATH@LISTSERV.TEMPE.GOV, qrp-1@Lehigh.EDU
Subject: [78146] HW-7 Front Panel
Message-ID: <3.0.6.32.20000826181449.007ac8f0@pop.net-link.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am looking for a front panel for an HW-7.

Anyone have one to sell?

Thanks

Bill

Bill Robbins
WA8CDU Formally WN8CDU
Heathkit Collector

Date: Sat, 26 Aug 2000 18:15:05 EDT
From: RangerSF5@aol.com
To: zikot@erie.net, qrp-1@lehigh.edu
Subject: [78147] Yes, this person will try to burn you
Message-ID: <13.a057651.26d99b69@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Address here is
Jerry Albertin
2530 Route 67
Amsterdam, N.Y. 12010
>>

Here's his address.
WATCH OUT!!!!!!!!!!!!!!
This Guy is bad news
Bob
WA2HOQrp <tm>

Date: Sat, 26 Aug 2000 14:18:05 -0800
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: BruceAA5B@aol.com, "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [78148] Re: AA5Bubba
Message-ID: <39A8421D.8287AC7F@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yes, it can. Move to Alaska. :-)

Thank you for the BUBBA QSO, Bruce.

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska

QRP-L CD Ver. 3.1 available: <http://www.qsl.net/al7fs/QRP-CDver3.htm>

QRP ARCI #6754 Check out <http://www.qrparci.org/>

<http://www.qsl.net/al7fs/> <mailto:al7fs@pobox.alaska.net>

BruceAA5B@aol.com wrote:

>

> BUBBA 2000

>

> Condx horrible here in NM. Almost no one had a signal much above

> the noise level on any band. Worked only 6 stations on 40,

> 5 on 15. Can it get any worse?!

>

> 52 QSOs, 29 SPC

>

> Outdoors, 5 W, about 92 heat index, about 277k points.

>

> -Bruce AA5B

Date: Sat, 26 Aug 2000 18:23:23 -0400 (EDT)

From: "John L. Sielke" <w2agn@pobox.com>

To: qrp-l@lehigh.edu

Subject: [78149] BUBBA: Fun

Message-ID: <XFMail.000826182323.w2agn@pobox.com>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

MIME-Version: 1.0

Bubba was fun, although not a lot of QSOs. Only worked 18 Contacts in 14 SPCs. But thrilled to be called and given a 599 by F5REF, followed by a Q with G4HWK/QRP. Both were kind enough to give me temperatures.

Hottest had to be NK7M who gave me 111F !!! Must have been operating from his toaster oven! Best we could do here was 84 degrees, but only a lousy 56 deg dewpoint, which is very unusual for Southern NJ. Got a bit of sun, as moved the rig into the sun to up the temp :-)

Ran the Sierra, and the NC40A on 40M, but most everyone on 40 was in the Ohio QSO party. (How come nobody was in the NJ QSO party???)

Thanks to the SQrpions!

```

\ / \ / \ / \ / \ / John L. Sielke w2agn@pobox.com w2agn@qsl.net
( W | 2 | A | G | N ) NJ Grid:FM29LN http://www.qsl.net/w2agn
\_ / \_ / \_ / \_ / \_ / NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
X-N4JS, W4MPC, W7JEF, K3HLU G-QRP #9544 NorCal CQC AKQRP QCWA FISTS #2781
fpQRP #121 SOC #390 Elecraft K2 #00023

```

Today's Saturday meeting at the Red Door Cafe brought a new face into QRPacific -- special welcome to Darrell N7DDD of Lincoln City/Lake Oswego! Glad you could stop by! Also, please welcome the latest new associate members John K1JD, Steve VE7SL, and now Jim AD6CW too!

We've added some new photo's to the club webpage: here are **DIRECT LINKS** to those photo's for easy access:

VE7SL's powerhouse Tuna Tin II and Steve himself!
<http://www.teleport.com/~cqdx/ve7sl.htm>

Down she comes - Timber!! K7FD/N7SG lower the quad
<http://www.teleport.com/~cqdx/tower.htm>

Of course, take a look at our club webpage in its entirety when you have a chance! <http://www.teleport.com/~cqdx/qrpclub.htm>

If you wish to become a local or associate member, drop me an email and I'll add you to the club roster. Dues are zero and you get instant friends on the Oregon Coast.

72 John K7FD

Date: Sat, 26 Aug 2000 15:42:35 -0700
From: Roger Hightower <n7kt@worldnet.att.net>
To: w2agn@pobox.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [78151] Re: BUBBA: Fun
Message-ID: <39A847DB.95314CB9@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"John L. Sielke" wrote:

>
> Hottest had to be NK7M who gave me 111F !!! Must have been operating from his
> toaster oven! Best we could do here was 84 degrees, but only a lousy 56 deg
> dewpoint, which is very unusual for Southern NJ. Got a bit of sun, as moved the
> rig into the sun to up the temp :-)
>

He's down at Picacho Peak State Park in Southern AZ. I was there for a while, but it was 'way too hot for me to stick around. I thought the temp was higher than that, so I bailed out for safety's sake, :-)

--
72.....Roger

Roger Hightower, N7KT Mesa, AZ K2#591 SOC #14

Lord, please let me be the kind of person my dog thinks I am.

End of QRP-L Digest 1925

